**Appendix**

From equation (4) the (average) self-funder price for LA j is equal to:

From equation (5) we calculated the proportion of LA-funded residents located in LA is therefore calculated as:

(

Where is the number of LA-funded residents that are funded by LA and located in LA , is the assumed occupancy rate, and is the total number of places in LA .

Information on total LA-funded resident numbers was taken from council-level unit costs reports for 2007/08 and 2009/10.[[1]](#footnote-1),[[2]](#footnote-2) To find the total number of LA-funded residents in the independent sector for each LA or region we assume that all residents in homes run by the public sector are LA-funded and that these homes have 90% occupancy. We use figures provided by the CQC from 2009 on out-of area placements by each LA to assign LA-funded placements to the LA in which they are actually located.[[3]](#footnote-3)

The proportion of self-funded residents in independent care homes is not known. We therefore use data of the number of residents that are funded by LAs, which, when subtracted away from total places in a LA (weighted by occupancy rates), will leave the number of residents that are self-funded.[[4]](#footnote-4) We assume a 90% occupancy rate in all estimations, but as a sensitivity analysis we also assume 85% and 95% occupancy rates.

The prices obtained from Laing & Buisson will include both third party top-ups made on top of the price paid by an LA and NHS funded nursing care payments. We are unable to deal with the former in our analysis, but we can attempt to solve the latter issue. We removed NHS funded nursing care payments that a certain proportion of nursing home residents receive using the following process (using 2010 as the example): in 2011/12 PCTs spent £488m on funded nursing care, which suggests that 86,335 placements a year receive a weekly nursing care payment of £108.70. There were 186,601 nursing home places available in 2010. Assuming a 90% occupancy rate in nursing homes, the average weekly funded nursing care payment for every nursing home resident would be £55.88. We subtract this figure from the average price of a nursing home place for each care home.

In addition, again using 2010 as the example, we excluded from the distribution analysis care homes reporting an average price per week over £2000 (n=9) and care homes with an average price below the (initial) 5th percentile of the regional price distribution for nursing and residential homes respectively (n=564). Prices are inflation adjusted to July 2012 terms. Finally, all price distributions are weighted by the size of the care homes (number of beds) so that the data is more representative of resident numbers.

As an additional sensitivity check we also assume that the average price of a care home place is equal to the following:

Where and are the average maximum and minimum price observed in each LA for a care home place, respectively. Assuming that and substituting into we obtain the following alternative way to estimate the average self-funded price for each LA:

Average cost per LA-funded resident in the independent sector is measured using the average cost of funding a LA resident in a care home provided by others for 2007/08 and 2009/10 from council-level unit costs reports available from the Health and Social Care Information Centre (now NHS Digital). Costs are inflation adjusted to July 2012 terms. The average cost per LA-funded resident located in LA j needs to be adjusted to reflect the issue of out-of-area placements discussed previously. This is calculated as:

Where is the average cost per LA-funded resident in the independent sector for LA and is the total cost of LA-funded residents funded by each LA that are placed in a care home in LA .[[5]](#footnote-5)

Figures A1 and A2 present the distribution of estimated average self-funded price by the proportion of residents that are funded by LAs.

Table A1 presents data on LA-funded number of placements, out-of-area placements and the average LA cost of placements.

Tables A2 and A3 present for 2008 and 2010, respectively, the input data used to calculate the self-funded price estimates.

Table A4 presents the basic average self-funded price for a place in a care home per week and the adjusted price, both taking into account inflation and in July 2012 terms. The adjusted price is calculated as follows: first, average regional costs were used in place of LA-level average costs; second, we trimmed the proportion of residents that are LA-funded, , to the 95th (5th) percentile for those LAs with high (low) ; and finally, a predicted average price was used for LAs with 20% or more of care homes that did not report any price or that had a proportion of LA-funded residents below (above) the 5th (95th) percentile.[[6]](#footnote-6),[[7]](#footnote-7)

Table A5 presents the mean average self-funded price for the various estimations over the two waves. The basic average self-funder price is 5.1% higher on average than the adjusted average self-funder price, although the difference is not significant. The mean 85% occupancy rate, 95% occupancy rate, and min/max price estimations are respectively 1.5% higher, 1.0% lower and 3.2% lower than the mean 90% occupancy adjusted price, and for each the difference is significant, although only at the 10% level for the 95% occupancy estimation.

Figure A1: Basic LA-level average self-funding price by proportion of LA-funded residents

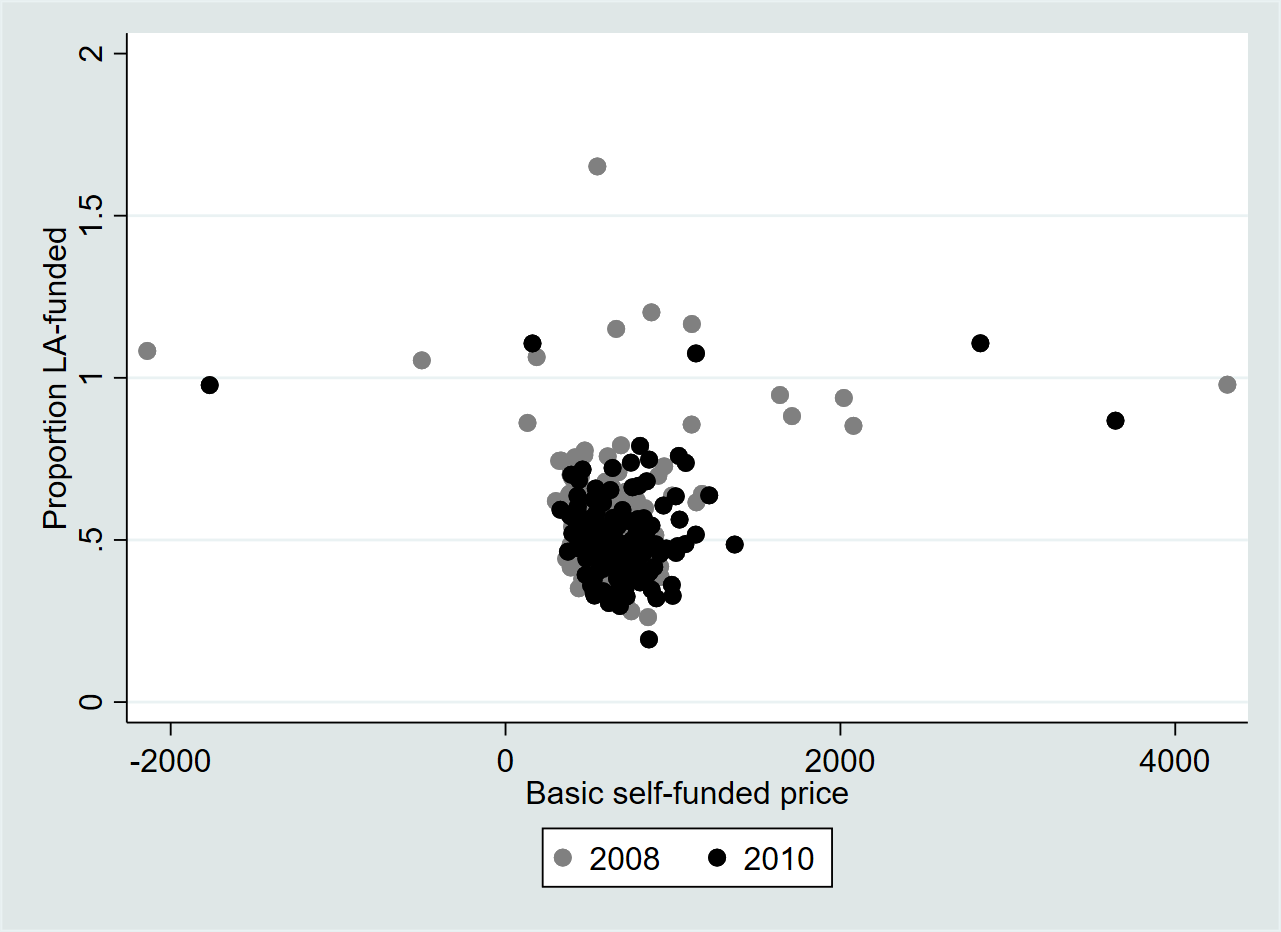
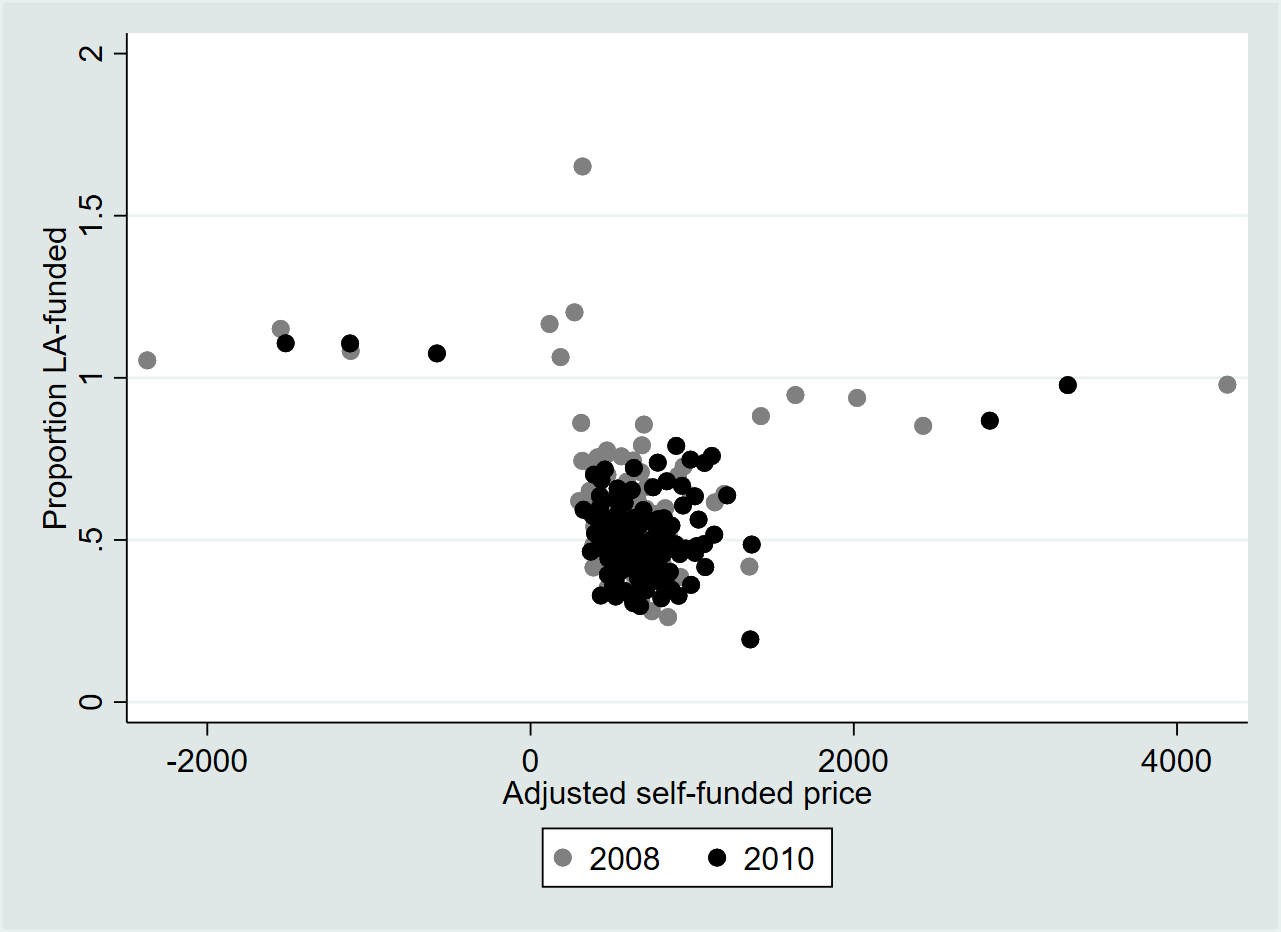


Figure A2: Adjusted LA-level average self-funding price by proportion of LA-funded residents



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | n | Mean | Std. Dev. | Min | Max |
| Service users |  |  |  |  |  |
| LA-funded placements 2008 | 150 | 1217.33 | 939.01 | 90 | 5335 |
| LA-funded placements 2010 | 150 | 1162.8 | 920.67 | 110 | 5055 |
| Out-of-area placements | 150 | 169.09 | 113.08 | 10 | 825 |
| Costs |  |  |  |  |  |
| LA costs | 300 | 502.40 | 82.96 | 268.3 | 802.51 |
| Regional LA costs | 300 | 502.10 | 60.80 | 415.23 | 609.26 |

Table A1: LA-funded placements, out-of-area placements and costs

Table A2: LA-level input data for estimating average self-funding prices, 2008

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LA | Price data missing (%) | LA cost | Reg. LA Cost | Avg. price | Avg. min. price | Avg. max. price | LA-funded proportion | LA-funded proportion (w/ 85% occ) | LA-funded proportion (w/ 95% occ) |
| Barking and Dagenham | 60.0 | £580.89 | £591.13 | £613.90 | £578.69 | £649.11 | 0.516 | 0.546 | 0.489 |
| Barnet | 5.1 | £579.77 | £591.13 | £681.52 | £607.80 | £740.48 | 0.598 | 0.633 | 0.567 |
| Barnsley | 15.2 | £459.09 | £415.23 | £398.79 | £352.38 | £470.62 | 0.620 | 0.656 | 0.587 |
| Bath and North East Somerset | 20.6 | £529.17 | £481.33 | £576.22 | £507.81 | £661.72 | 0.485 | 0.514 | 0.460 |
| Bedford | 20.0 | £526.81 | £518.73 | £542.67 | £504.22 | £580.37 | 0.522 | 0.553 | 0.494 |
| Bexley | 23.5 | £568.81 | £591.13 | £546.78 | £509.98 | £584.18 | 0.652 | 0.691 | 0.618 |
| Birmingham | 30.3 | £455.69 | £449.48 | £502.11 | £423.39 | £547.89 | 0.554 | 0.586 | 0.525 |
| Blackburn with Darwen | 20.7 | £460.19 | £436.76 | £418.85 | £384.42 | £457.81 | 0.470 | 0.498 | 0.446 |
| Blackpool | 8.3 | £406.16 | £436.76 | £404.35 | £351.96 | £443.05 | 0.482 | 0.510 | 0.457 |
| Bolton | 6.1 | £422.29 | £436.76 | £443.91 | £405.74 | £480.34 | 0.563 | 0.596 | 0.534 |
| Bournemouth | 26.4 | £507.85 | £481.33 | £590.04 | £528.31 | £669.87 | 0.411 | 0.435 | 0.389 |
| Bracknell Forest | 16.7 | £589.07 | £505.64 | £658.20 | £571.43 | £744.97 | 0.388 | 0.411 | 0.368 |
| Bradford | 19.6 | £424.68 | £415.23 | £487.57 | £413.67 | £546.67 | 0.600 | 0.635 | 0.568 |
| Brent | 48.0 | £529.16 | £591.13 | £750.23 | £578.82 | £933.62 | 1.083 | 0.821 | 0.927 |
| Brighton and Hove | 7.4 | £577.63 | £505.64 | £576.85 | £502.38 | £661.08 | 0.574 | 0.607 | 0.543 |
| Bristol | 27.5 | £562.48 | £481.33 | £536.20 | £485.36 | £599.36 | 0.527 | 0.558 | 0.500 |
| Bromley | 41.3 | £570.60 | £591.13 | £672.28 | £557.58 | £790.62 | 0.310 | 0.377 | 0.337 |
| Buckinghamshire | 22.4 | £572.62 | £505.64 | £693.73 | £585.72 | £815.62 | 0.429 | 0.454 | 0.406 |
| Bury | 22.6 | £533.80 | £436.76 | £437.98 | £388.14 | £485.35 | 0.442 | 0.468 | 0.418 |
| Calderdale | 29.3 | £413.89 | £415.23 | £444.76 | £404.93 | £494.47 | 0.594 | 0.629 | 0.562 |
| Cambridgeshire | 22.0 | £421.09 | £518.73 | £553.27 | £465.07 | £642.41 | 0.586 | 0.620 | 0.555 |
| Camden | 42.9 | £595.89 | £591.13 | £814.85 | £676.79 | £1,017.42 | 0.852 | 0.821 | 0.807 |
| Central Bedfordshire | 31.0 | £528.33 | £518.73 | £570.74 | £489.51 | £661.01 | 0.709 | 0.751 | 0.672 |
| Cheshire East | 9.6 | £460.76 | £436.76 | £569.30 | £472.76 | £664.84 | 0.458 | 0.485 | 0.434 |
| Cheshire West & Chester | 1.7 | £461.82 | £436.76 | £493.07 | £417.61 | £572.51 | 0.614 | 0.650 | 0.581 |
| Cornwall & Scilly Isles | 41.6 | £411.98 | £481.33 | £535.67 | £419.69 | £599.94 | 0.537 | 0.568 | 0.509 |
| Coventry | 14.0 | £487.90 | £449.48 | £480.96 | £448.28 | £514.49 | 0.559 | 0.592 | 0.529 |
| Croydon | 20.4 | £506.62 | £591.13 | £601.37 | £521.19 | £697.90 | 0.503 | 0.533 | 0.477 |
| Cumbria | 27.4 | £518.55 | £436.76 | £481.08 | £431.12 | £533.80 | 0.380 | 0.402 | 0.360 |
| Darlington | 31.8 | £434.53 | £454.15 | £423.56 | £383.98 | £474.86 | 0.620 | 0.656 | 0.587 |
| Derby | 26.7 | £432.42 | £435.10 | £432.43 | £382.95 | £479.01 | 0.622 | 0.658 | 0.589 |
| Derbyshire | 17.8 | £465.27 | £435.10 | £425.92 | £372.42 | £489.80 | 0.485 | 0.514 | 0.460 |
| Devon | 9.4 | £462.60 | £481.33 | £511.06 | £442.03 | £589.94 | 0.606 | 0.642 | 0.574 |
| Doncaster | 34.8 | £474.56 | £415.23 | £439.10 | £420.57 | £458.31 | 0.517 | 0.547 | 0.490 |
| Dorset | 19.7 | £516.96 | £481.33 | £610.81 | £537.10 | £690.60 | 0.361 | 0.382 | 0.342 |
| Dudley | 21.1 | £449.85 | £449.48 | £437.21 | £403.70 | £465.23 | 0.563 | 0.597 | 0.534 |
| Durham | 27.7 | £481.43 | £454.15 | £485.12 | £404.85 | £493.97 | 0.589 | 0.624 | 0.558 |
| Ealing | 31.0 | £731.96 | £591.13 | £629.68 | £566.02 | £707.95 | 0.745 | 0.789 | 0.706 |
| East Riding of Yorkshire | 19.2 | £391.77 | £415.23 | £436.03 | £374.83 | £510.95 | 0.566 | 0.599 | 0.536 |
| East Sussex | 16.2 | £426.75 | £505.64 | £541.88 | £454.29 | £625.67 | 0.448 | 0.475 | 0.425 |
| Enfield | 19.5 | £528.44 | £591.13 | £603.38 | £556.01 | £639.50 | 0.596 | 0.632 | 0.565 |
| Essex | 17.6 | £578.10 | £518.73 | £549.27 | £477.61 | £627.16 | 0.540 | 0.571 | 0.511 |
| Gateshead | 38.7 | £441.11 | £454.15 | £448.18 | £414.32 | £479.09 | 0.762 | 0.806 | 0.721 |
| Gloucestershire | 13.5 | £481.03 | £481.33 | £571.16 | £462.71 | £675.60 | 0.547 | 0.579 | 0.518 |
| Greenwich | 31.6 | £592.77 | £591.13 | £636.98 | £601.07 | £668.76 | 0.649 | 0.687 | 0.615 |
| Hackney | 50.0 | £579.75 | £591.13 | £600.27 | £532.84 | £667.70 | 1.652 | 0.821 | 0.927 |
| Halton | 28.6 | £403.13 | £436.76 | £406.98 | £362.69 | £451.28 | 0.558 | 0.590 | 0.528 |
| Hammersmith and Fulham | 50.0 | £593.37 | £591.13 | £801.27 | £724.68 | £877.87 | 0.642 | 0.679 | 0.608 |
| Hampshire | 14.7 | £447.80 | £505.64 | £609.58 | £525.45 | £702.95 | 0.423 | 0.448 | 0.401 |
| Haringey | 9.1 | £557.42 | £591.13 | £664.74 | £580.57 | £728.23 | 0.698 | 0.739 | 0.661 |
| Harrow | 29.6 | £585.62 | £591.13 | £642.40 | £567.70 | £730.12 | 0.580 | 0.614 | 0.550 |
| Hartlepool | 20.0 | £460.14 | £454.15 | £411.19 | £383.72 | £434.50 | 0.611 | 0.646 | 0.578 |
| Havering | 23.7 | £541.19 | £591.13 | £597.79 | £534.12 | £665.15 | 0.586 | 0.620 | 0.555 |
| Herefordshire | 30.2 | £526.57 | £449.48 | £498.44 | £436.30 | £568.16 | 0.535 | 0.566 | 0.507 |
| Hertfordshire | 27.4 | £565.67 | £518.73 | £627.15 | £547.12 | £711.77 | 0.577 | 0.611 | 0.546 |
| Hillingdon | 18.5 | £634.70 | £591.13 | £627.42 | £552.95 | £723.44 | 0.507 | 0.537 | 0.480 |
| Hounslow | 16.7 | £619.38 | £591.13 | £819.17 | £625.43 | £756.26 | 0.616 | 0.653 | 0.584 |
| Isle of Wight | 13.8 | £397.29 | £505.64 | £524.18 | £472.54 | £578.03 | 0.538 | 0.569 | 0.510 |
| Islington | 62.5 | £609.95 | £591.13 | £670.33 | £664.24 | £676.42 | 1.054 | 0.821 | 0.927 |
| Kensington and Chelsea | 33.3 | £675.99 | £591.13 | £819.96 | £759.47 | £856.33 | 0.418 | 0.443 | 0.396 |
| Kent | 11.8 | £453.55 | £505.64 | £542.06 | £479.31 | £612.84 | 0.532 | 0.563 | 0.504 |
| Kingston upon Hull | 14.0 | £395.85 | £415.23 | £413.16 | £359.88 | £457.91 | 0.776 | 0.821 | 0.735 |
| Kingston upon Thames | 16.0 | £630.13 | £591.13 | £685.48 | £572.55 | £826.50 | 0.404 | 0.427 | 0.382 |
| Kirklees | 10.6 | £422.91 | £415.23 | £455.53 | £388.00 | £520.51 | 0.559 | 0.592 | 0.530 |
| Knowsley | 15.0 | £418.14 | £436.76 | £417.37 | £389.22 | £458.87 | 0.755 | 0.800 | 0.716 |
| Lambeth | 25.0 | £626.73 | £591.13 | £546.04 | £508.94 | £586.65 | 1.166 | 0.821 | 0.927 |
| Lancashire | 17.2 | £436.83 | £436.76 | £453.81 | £391.25 | £506.60 | 0.498 | 0.527 | 0.472 |
| Leeds | 27.2 | £336.94 | £415.23 | £506.05 | £460.34 | £555.79 | 0.622 | 0.659 | 0.589 |
| Leicester | 19.6 | £395.86 | £435.10 | £469.64 | £377.15 | £571.48 | 0.637 | 0.674 | 0.603 |
| Leicestershire | 27.2 | £415.68 | £435.10 | £486.93 | £431.81 | £546.18 | 0.487 | 0.516 | 0.461 |
| Lewisham | 13.6 | £582.11 | £591.13 | £607.42 | £530.24 | £678.77 | 1.064 | 0.821 | 0.927 |
| Lincolnshire | 18.6 | £452.36 | £435.10 | £459.23 | £382.31 | £536.51 | 0.548 | 0.580 | 0.519 |
| Liverpool | 32.8 | £337.38 | £436.76 | £403.41 | £361.24 | £458.33 | 0.758 | 0.803 | 0.718 |
| Luton | 21.1 | £490.93 | £518.73 | £519.65 | £461.65 | £576.92 | 0.594 | 0.629 | 0.563 |
| Manchester | 16.7 | £422.40 | £436.76 | £453.02 | £399.37 | £512.98 | 0.621 | 0.658 | 0.589 |
| Medway | 2.8 | £458.53 | £505.64 | £535.09 | £477.60 | £597.16 | 0.624 | 0.661 | 0.591 |
| Merton | 38.5 | £529.41 | £591.13 | £706.51 | £593.47 | £792.95 | 0.515 | 0.545 | 0.488 |
| Middlesbrough | 48.3 | £458.57 | £454.15 | £430.52 | £376.44 | £489.27 | 0.541 | 0.573 | 0.512 |
| Milton Keynes | 23.3 | £514.16 | £505.64 | £642.31 | £516.16 | £760.05 | 0.455 | 0.482 | 0.431 |
| Newcastle upon Tyne | 27.5 | £447.54 | £454.15 | £443.81 | £391.44 | £495.40 | 0.613 | 0.649 | 0.581 |
| Newham | 77.8 | £552.62 | £591.13 | £633.17 | £572.91 | £693.44 | 0.856 | 0.821 | 0.811 |
| Norfolk | 25.9 | £389.57 | £518.73 | £490.02 | £412.24 | £547.62 | 0.469 | 0.497 | 0.445 |
| North East Lincolnshire | 7.1 | £402.08 | £415.23 | £415.32 | £367.23 | £461.17 | 0.631 | 0.668 | 0.598 |
| North Lincolnshire | 7.5 | £423.72 | £415.23 | £403.61 | £358.10 | £440.70 | 0.415 | 0.439 | 0.393 |
| North Somerset | 34.5 | £482.24 | £481.33 | £498.33 | £441.76 | £574.04 | 0.474 | 0.502 | 0.449 |
| North Tyneside | 24.3 | £413.64 | £454.15 | £429.10 | £398.51 | £460.53 | 0.351 | 0.377 | 0.337 |
| North Yorkshire | 12.4 | £422.32 | £415.23 | £536.27 | £458.45 | £621.79 | 0.344 | 0.377 | 0.337 |
| Northamptonshire | 9.6 | £450.84 | £435.10 | £488.13 | £416.97 | £562.50 | 0.566 | 0.599 | 0.536 |
| Northumberland | 20.3 | £479.65 | £454.15 | £455.43 | £424.60 | £483.80 | 0.599 | 0.634 | 0.567 |
| Nottingham | 14.6 | £382.42 | £435.10 | £409.95 | £382.21 | £447.49 | 0.590 | 0.625 | 0.559 |
| Nottinghamshire | 17.0 | £418.87 | £435.10 | £436.05 | £385.96 | £489.61 | 0.498 | 0.528 | 0.472 |
| Oldham | 12.8 | £369.23 | £436.76 | £453.79 | £391.50 | £501.20 | 0.979 | 0.821 | 0.927 |
| Oxfordshire | 3.0 | £615.58 | £505.64 | £730.59 | £632.23 | £846.75 | 0.428 | 0.453 | 0.406 |
| Peterborough | 18.8 | £430.44 | £518.73 | £571.39 | £509.13 | £634.17 | 0.727 | 0.770 | 0.689 |
| Plymouth | 10.6 | £441.77 | £481.33 | £431.39 | £365.92 | £488.42 | 0.732 | 0.775 | 0.693 |
| Poole | 16.2 | £588.12 | £481.33 | £648.98 | £563.29 | £721.05 | 0.356 | 0.377 | 0.337 |
| Portsmouth | 5.6 | £453.53 | £505.64 | £516.53 | £453.63 | £589.36 | 0.947 | 0.821 | 0.897 |
| Reading | 26.7 | £585.57 | £505.64 | £668.65 | £524.53 | £776.46 | 0.437 | 0.463 | 0.414 |
| Redbridge | 21.2 | £597.43 | £591.13 | £610.16 | £546.33 | £674.05 | 0.664 | 0.703 | 0.629 |
| Redcar and Cleveland | 19.2 | £370.31 | £454.15 | £436.75 | £392.89 | £483.65 | 0.792 | 0.821 | 0.750 |
| Richmond upon Thames | 17.6 | £625.20 | £591.13 | £709.56 | £632.33 | £786.78 | 0.531 | 0.562 | 0.503 |
| Rochdale | 10.0 | £414.69 | £436.76 | £406.56 | £365.24 | £438.64 | 0.609 | 0.645 | 0.577 |
| Rotherham | 22.2 | £466.91 | £415.23 | £410.76 | £359.98 | £473.87 | 0.616 | 0.652 | 0.583 |
| Rutland | 0.0 | £268.30 | £435.10 | £616.11 | £552.74 | £687.01 | 0.280 | 0.377 | 0.337 |
| Salford | 11.1 | £438.95 | £436.76 | £435.60 | £369.87 | £493.30 | 0.678 | 0.717 | 0.642 |
| Sandwell | 21.2 | £451.79 | £449.48 | £434.02 | £381.18 | £487.39 | 0.726 | 0.768 | 0.687 |
| Sefton | 19.8 | £444.64 | £436.76 | £458.83 | £423.41 | £502.45 | 0.567 | 0.600 | 0.537 |
| Sheffield | 10.0 | £430.53 | £415.23 | £483.79 | £385.28 | £527.34 | 0.680 | 0.720 | 0.644 |
| Shropshire | 13.3 | £428.14 | £449.48 | £486.33 | £433.42 | £547.32 | 0.450 | 0.476 | 0.426 |
| Slough | 37.5 | £416.43 | £505.64 | £568.62 | £517.02 | £620.22 | 0.882 | 0.821 | 0.836 |
| Solihull | 25.0 | £447.70 | £449.48 | £455.94 | £434.41 | £477.46 | 0.540 | 0.572 | 0.511 |
| Somerset | 41.8 | £478.53 | £481.33 | £526.13 | £458.09 | £592.26 | 0.506 | 0.536 | 0.479 |
| South Gloucestershire | 27.8 | £606.20 | £481.33 | £552.05 | £474.52 | £623.29 | 0.546 | 0.579 | 0.518 |
| South Tyneside | 18.5 | £429.63 | £454.15 | £447.96 | £427.83 | £468.08 | 0.572 | 0.606 | 0.542 |
| Southampton | 16.2 | £401.04 | £505.64 | £483.19 | £427.63 | £537.64 | 0.563 | 0.596 | 0.533 |
| Southend-on-Sea | 13.8 | £526.89 | £518.73 | £514.81 | £445.23 | £585.00 | 0.540 | 0.572 | 0.511 |
| Southwark | 50.0 | £636.10 | £591.13 | £588.67 | £534.07 | £601.25 | 1.202 | 0.821 | 0.927 |
| St. Helens | 21.7 | £433.35 | £436.76 | £419.95 | £404.49 | £445.31 | 0.701 | 0.742 | 0.664 |
| Staffordshire | 26.6 | £410.62 | £449.48 | £472.34 | £396.73 | £577.98 | 0.598 | 0.633 | 0.566 |
| Stockport | 11.1 | £432.71 | £436.76 | £483.63 | £428.96 | £536.59 | 0.541 | 0.573 | 0.512 |
| Stockton-on-Tees | 40.0 | £453.83 | £454.15 | £434.40 | £397.15 | £480.24 | 0.581 | 0.615 | 0.551 |
| Stoke-on-Trent | 23.3 | £422.49 | £449.48 | £461.38 | £407.93 | £523.88 | 0.651 | 0.689 | 0.617 |
| Suffolk | 15.6 | £599.41 | £518.73 | £565.83 | £474.76 | £663.60 | 0.461 | 0.488 | 0.436 |
| Sunderland | 31.5 | £456.89 | £454.15 | £430.69 | £404.21 | £455.02 | 0.643 | 0.681 | 0.609 |
| Surrey | 26.5 | £600.31 | £505.64 | £710.46 | £590.38 | £840.65 | 0.422 | 0.447 | 0.400 |
| Sutton | 25.7 | £553.86 | £591.13 | £629.09 | £559.02 | £727.58 | 0.488 | 0.517 | 0.462 |
| Swindon | 38.1 | £519.84 | £481.33 | £569.42 | £481.76 | £666.77 | 0.540 | 0.572 | 0.512 |
| Tameside | 32.5 | £461.06 | £436.76 | £415.06 | £378.45 | £448.55 | 0.861 | 0.821 | 0.815 |
| Telford and Wrekin | 0.0 | £468.43 | £449.48 | £479.75 | £422.96 | £524.78 | 0.614 | 0.650 | 0.582 |
| Thurrock | 16.7 | £527.48 | £518.73 | £474.35 | £406.24 | £555.20 | 0.744 | 0.787 | 0.704 |
| Torbay | 14.8 | £396.82 | £481.33 | £444.15 | £377.61 | £505.01 | 0.565 | 0.599 | 0.536 |
| Tower Hamlets | 16.7 | £544.67 | £591.13 | £635.55 | £607.60 | £663.51 | 0.938 | 0.821 | 0.889 |
| Trafford | 31.4 | £426.79 | £436.76 | £518.55 | £472.61 | £559.40 | 0.522 | 0.553 | 0.495 |
| Wakefield | 9.5 | £430.34 | £415.23 | £436.15 | £394.82 | £491.48 | 0.694 | 0.734 | 0.657 |
| Walsall | 2.7 | £443.89 | £449.48 | £443.55 | £385.53 | £509.68 | 0.445 | 0.472 | 0.422 |
| Waltham Forest | 52.2 | £578.41 | £591.13 | £746.44 | £599.50 | £892.63 | 0.427 | 0.452 | 0.404 |
| Wandsworth | 14.3 | £687.27 | £591.13 | £798.86 | £663.28 | £942.24 | 0.637 | 0.675 | 0.604 |
| Warrington | 20.7 | £443.18 | £436.76 | £504.72 | £392.77 | £508.11 | 0.596 | 0.631 | 0.564 |
| Warwickshire | 13.8 | £437.15 | £449.48 | £552.23 | £487.81 | £602.76 | 0.462 | 0.489 | 0.438 |
| West Berkshire | 30.0 | £485.69 | £505.64 | £636.14 | £528.06 | £744.22 | 0.426 | 0.451 | 0.404 |
| West Sussex | 32.3 | £581.09 | £505.64 | £592.07 | £497.03 | £692.70 | 0.393 | 0.416 | 0.372 |
| Westminster | 33.3 | £659.12 | £591.13 | £658.86 | £955.28 | £860.43 | 1.151 | 0.821 | 0.927 |
| Wigan | 10.6 | £440.94 | £436.76 | £418.34 | £362.57 | £480.80 | 0.638 | 0.675 | 0.604 |
| Wiltshire | 25.8 | £496.40 | £481.33 | £604.25 | £517.66 | £688.52 | 0.476 | 0.504 | 0.451 |
| Windsor and Maidenhead | 7.4 | £541.21 | £505.64 | £777.53 | £607.33 | £947.48 | 0.386 | 0.409 | 0.366 |
| Wirral | 28.1 | £516.99 | £436.76 | £490.96 | £452.57 | £528.16 | 0.546 | 0.579 | 0.518 |
| Wokingham | 15.0 | £575.46 | £505.64 | £778.77 | £670.55 | £853.46 | 0.262 | 0.377 | 0.337 |
| Wolverhampton | 34.9 | £438.80 | £449.48 | £426.26 | £401.90 | £448.43 | 0.691 | 0.731 | 0.654 |
| Worcestershire | 9.9 | £481.92 | £449.48 | £536.27 | £483.20 | £610.39 | 0.547 | 0.579 | 0.518 |
| York | 4.3 | £421.54 | £415.23 | £549.03 | £521.98 | £634.94 | 0.396 | 0.419 | 0.375 |

Table A3: LA-level input data for estimating average self-funding prices, 2010

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LA | Price data missing (%) | LA cost | Reg. LA Cost | Avg. price | Avg. min. price | Avg. max. price | LA-funded proportion | LA-funded proportion (w/ 85% occ) | LA-funded proportion (w/ 95% occ) |
| Barking and Dagenham | 9.1 | £503.35 | £609.26 | £809.44 | £663.32 | £955.56 | 0.517 | 0.547 | 0.489 |
| Barnet | 1.8 | £617.31 | £609.26 | £733.18 | £671.32 | £794.38 | 0.544 | 0.576 | 0.516 |
| Barnsley | 8.5 | £458.70 | £450.66 | £442.42 | £370.51 | £502.51 | 0.590 | 0.625 | 0.559 |
| Bath and North East Somerset | 11.1 | £503.30 | £505.13 | £651.09 | £552.22 | £756.58 | 0.408 | 0.432 | 0.386 |
| Bedford | 2.7 | £530.99 | £523.92 | £595.03 | £568.08 | £629.75 | 0.542 | 0.574 | 0.514 |
| Bexley | 6.7 | £622.96 | £609.26 | £693.23 | £652.02 | £776.20 | 0.681 | 0.721 | 0.645 |
| Birmingham | 7.8 | £550.21 | £493.67 | £535.98 | £450.14 | £611.32 | 0.568 | 0.602 | 0.539 |
| Blackburn with Darwen | 0.0 | £461.48 | £453.77 | £431.63 | £376.24 | £503.31 | 0.520 | 0.551 | 0.493 |
| Blackpool | 0.0 | £403.41 | £453.77 | £419.54 | £366.94 | £475.37 | 0.492 | 0.521 | 0.466 |
| Bolton | 0.0 | £424.93 | £453.77 | £474.10 | £400.95 | £544.89 | 0.487 | 0.515 | 0.461 |
| Bournemouth | 2.9 | £520.65 | £505.13 | £642.64 | £575.55 | £714.00 | 0.388 | 0.411 | 0.368 |
| Bracknell Forest | 7.7 | £565.03 | £539.41 | £703.00 | £561.83 | £848.02 | 0.413 | 0.437 | 0.391 |
| Bradford | 5.1 | £498.08 | £450.66 | £551.46 | £500.33 | £605.59 | 0.446 | 0.472 | 0.422 |
| Brent | 20.0 | £790.61 | £609.26 | £773.59 | £591.89 | £963.77 | 0.500 | 0.530 | 0.474 |
| Brighton and Hove | 3.1 | £554.46 | £539.41 | £613.08 | £535.51 | £691.16 | 0.592 | 0.627 | 0.561 |
| Bristol | 4.1 | £554.06 | £505.13 | £618.22 | £527.92 | £715.49 | 0.433 | 0.458 | 0.410 |
| Bromley | 8.3 | £611.53 | £609.26 | £757.35 | £705.51 | £829.00 | 0.475 | 0.503 | 0.450 |
| Buckinghamshire | 4.2 | £631.51 | £539.41 | £733.77 | £667.72 | £859.30 | 0.411 | 0.435 | 0.390 |
| Bury | 6.7 | £423.63 | £453.77 | £483.15 | £408.81 | £549.64 | 0.481 | 0.509 | 0.456 |
| Calderdale | 7.3 | £394.15 | £450.66 | £482.48 | £452.36 | £521.86 | 0.442 | 0.468 | 0.419 |
| Cambridgeshire | 5.5 | £479.95 | £523.92 | £624.16 | £548.16 | £720.40 | 0.526 | 0.556 | 0.498 |
| Camden | 0.0 | £657.54 | £609.26 | £1,023.05 | £680.94 | £1,365.16 | 0.486 | 0.515 | 0.460 |
| Central Bedfordshire | 8.8 | £545.48 | £523.92 | £617.25 | £529.48 | £721.52 | 0.663 | 0.701 | 0.628 |
| Cheshire East | 8.0 | £439.50 | £453.77 | £604.61 | £493.53 | £718.77 | 0.435 | 0.461 | 0.412 |
| Cheshire West & Chester | 3.4 | £483.85 | £453.77 | £552.32 | £465.51 | £645.08 | 0.568 | 0.601 | 0.538 |
| Cornwall & Scilly Isles | 13.1 | £412.26 | £505.13 | £570.86 | £473.85 | £620.29 | 0.404 | 0.428 | 0.383 |
| Coventry | 4.0 | £461.21 | £493.67 | £553.44 | £508.70 | £603.31 | 0.509 | 0.539 | 0.482 |
| Croydon | 14.3 | £494.45 | £609.26 | £695.70 | £642.17 | £768.81 | 0.386 | 0.409 | 0.366 |
| Cumbria | 9.4 | £511.00 | £453.77 | £521.44 | £483.39 | £561.09 | 0.338 | 0.357 | 0.320 |
| Darlington | 16.7 | £481.18 | £504.70 | £468.61 | £423.40 | £529.93 | 0.548 | 0.580 | 0.519 |
| Derby | 6.8 | £437.78 | £444.29 | £483.34 | £435.86 | £527.61 | 0.555 | 0.588 | 0.526 |
| Derbyshire | 3.3 | £440.40 | £444.29 | £493.93 | £408.21 | £586.61 | 0.376 | 0.398 | 0.356 |
| Devon | 1.6 | £522.67 | £505.13 | £562.90 | £492.89 | £647.86 | 0.342 | 0.362 | 0.324 |
| Doncaster | 2.1 | £421.75 | £450.66 | £462.01 | £418.03 | £507.71 | 0.454 | 0.481 | 0.430 |
| Dorset | 2.6 | £583.92 | £505.13 | £653.59 | £598.25 | £713.00 | 0.296 | 0.351 | 0.314 |
| Dudley | 5.1 | £464.89 | £493.67 | £450.54 | £392.92 | £511.54 | 0.589 | 0.623 | 0.558 |
| Durham | 1.0 | £539.81 | £504.70 | £511.86 | £440.82 | £547.03 | 0.561 | 0.594 | 0.531 |
| Ealing | 6.7 | £578.41 | £609.26 | £703.83 | £629.88 | £793.96 | 0.525 | 0.556 | 0.497 |
| East Riding of Yorkshire | 2.0 | £424.92 | £450.66 | £474.50 | £425.83 | £527.88 | 0.584 | 0.618 | 0.553 |
| East Sussex | 1.4 | £564.70 | £539.41 | £627.09 | £547.57 | £711.62 | 0.382 | 0.404 | 0.361 |
| Enfield | 0.0 | £566.29 | £609.26 | £714.70 | £637.59 | £769.40 | 0.606 | 0.642 | 0.574 |
| Essex | 3.3 | £571.13 | £523.92 | £622.05 | £539.21 | £709.20 | 0.460 | 0.487 | 0.436 |
| Gateshead | 13.9 | £543.99 | £504.70 | £499.43 | £445.18 | £552.46 | 0.603 | 0.639 | 0.572 |
| Gloucestershire | 1.6 | £466.72 | £505.13 | £688.23 | £608.85 | £777.60 | 0.487 | 0.515 | 0.461 |
| Greenwich | 5.9 | £640.37 | £609.26 | £777.95 | £643.33 | £794.29 | 0.635 | 0.672 | 0.601 |
| Hackney | 50.0 | £631.70 | £609.26 | £686.04 | £630.56 | £686.04 | 0.667 | 0.706 | 0.632 |
| Halton | 5.9 | £401.50 | £453.77 | £488.33 | £418.77 | £567.45 | 0.329 | 0.351 | 0.314 |
| Hammersmith and Fulham | 0.0 | £626.53 | £609.26 | £856.19 | £758.05 | £945.83 | 0.487 | 0.516 | 0.462 |
| Hampshire | 3.4 | £465.25 | £539.41 | £679.60 | £592.20 | £750.20 | 0.395 | 0.419 | 0.375 |
| Haringey | 0.0 | £549.77 | £609.26 | £765.74 | £596.99 | £935.39 | 0.474 | 0.502 | 0.449 |
| Harrow | 3.7 | £596.96 | £609.26 | £698.90 | £710.96 | £749.61 | 0.430 | 0.455 | 0.407 |
| Hartlepool | 4.8 | £445.79 | £504.70 | £464.64 | £436.60 | £498.35 | 0.561 | 0.594 | 0.532 |
| Havering | 0.0 | £557.88 | £609.26 | £648.62 | £597.57 | £723.78 | 0.485 | 0.513 | 0.459 |
| Herefordshire | 16.3 | £539.25 | £493.67 | £559.54 | £515.00 | £611.09 | 0.470 | 0.498 | 0.446 |
| Hertfordshire | 4.5 | £597.84 | £523.92 | £704.87 | £622.59 | £788.98 | 0.540 | 0.572 | 0.512 |
| Hillingdon | 11.1 | £598.61 | £609.26 | £718.77 | £658.20 | £825.92 | 0.456 | 0.483 | 0.432 |
| Hounslow | 0.0 | £653.25 | £609.26 | £847.62 | £709.15 | £961.77 | 0.481 | 0.509 | 0.456 |
| Isle of Wight | 1.6 | £452.77 | £539.41 | £546.73 | £484.32 | £610.94 | 0.473 | 0.501 | 0.448 |
| Islington | 37.5 | £586.43 | £609.26 | £990.24 | £789.81 | £815.90 | 0.868 | 0.792 | 0.709 |
| Kensington and Chelsea | 33.3 | £802.51 | £609.26 | £846.32 | £805.55 | £887.09 | 0.193 | 0.351 | 0.314 |
| Kent | 1.9 | £471.74 | £539.41 | £612.21 | £530.92 | £707.57 | 0.486 | 0.515 | 0.460 |
| Kingston upon Hull | 2.0 | £418.34 | £450.66 | £424.79 | £383.57 | £475.74 | 0.685 | 0.725 | 0.649 |
| Kingston upon Thames | 15.4 | £610.81 | £609.26 | £755.87 | £667.50 | £838.84 | 0.395 | 0.419 | 0.375 |
| Kirklees | 4.3 | £451.01 | £450.66 | £527.80 | £426.08 | £634.67 | 0.467 | 0.495 | 0.443 |
| Knowsley | 0.0 | £433.27 | £453.77 | £511.02 | £461.76 | £560.29 | 0.790 | 0.792 | 0.709 |
| Lambeth | 0.0 | £648.24 | £609.26 | £699.97 | £683.39 | £716.55 | 1.106 | 0.792 | 0.709 |
| Lancashire | 4.2 | £473.72 | £453.77 | £508.84 | £442.93 | £568.59 | 0.493 | 0.522 | 0.467 |
| Leeds | 8.2 | £467.23 | £450.66 | £579.73 | £535.63 | £626.66 | 0.432 | 0.458 | 0.410 |
| Leicester | 5.4 | £384.20 | £444.29 | £498.26 | £456.47 | £567.83 | 0.480 | 0.508 | 0.455 |
| Leicestershire | 4.7 | £406.15 | £444.29 | £531.45 | £450.00 | £612.36 | 0.433 | 0.459 | 0.411 |
| Lewisham | 7.7 | £594.33 | £609.26 | £660.66 | £605.47 | £719.42 | 0.748 | 0.792 | 0.709 |
| Lincolnshire | 2.6 | £439.93 | £444.29 | £485.65 | £405.18 | £567.86 | 0.528 | 0.559 | 0.500 |
| Liverpool | 8.2 | £370.53 | £453.77 | £459.07 | £388.65 | £531.01 | 0.654 | 0.692 | 0.620 |
| Luton | 16.7 | £532.66 | £523.92 | £644.96 | £593.64 | £696.58 | 0.564 | 0.597 | 0.535 |
| Manchester | 8.7 | £425.57 | £453.77 | £475.73 | £407.20 | £556.69 | 0.535 | 0.566 | 0.507 |
| Medway | 0.0 | £454.01 | £539.41 | £617.29 | £571.32 | £660.53 | 0.738 | 0.781 | 0.699 |
| Merton | 0.0 | £552.92 | £609.26 | £833.99 | £711.51 | £936.41 | 0.362 | 0.383 | 0.343 |
| Middlesbrough | 6.5 | £510.58 | £504.70 | £466.94 | £436.45 | £496.31 | 0.475 | 0.503 | 0.450 |
| Milton Keynes | 3.4 | £497.76 | £539.41 | £728.77 | £656.57 | £814.48 | 0.457 | 0.484 | 0.433 |
| Newcastle upon Tyne | 2.0 | £487.29 | £504.70 | £469.82 | £434.40 | £514.55 | 0.565 | 0.598 | 0.535 |
| Newham | 40.0 | £580.50 | £609.26 | £624.47 | £584.38 | £654.41 | 0.739 | 0.782 | 0.700 |
| Norfolk | 7.0 | £422.43 | £523.92 | £566.22 | £480.99 | £665.86 | 0.460 | 0.488 | 0.436 |
| North East Lincolnshire | 2.2 | £522.23 | £450.66 | £442.12 | £398.33 | £491.92 | 0.464 | 0.491 | 0.440 |
| North Lincolnshire | 2.5 | £400.06 | £450.66 | £427.55 | £371.10 | £487.63 | 0.478 | 0.506 | 0.453 |
| North Somerset | 6.0 | £427.26 | £505.13 | £577.00 | £536.18 | £628.15 | 0.465 | 0.492 | 0.440 |
| North Tyneside | 2.7 | £482.33 | £504.70 | £479.94 | £433.80 | £532.25 | 0.393 | 0.416 | 0.372 |
| North Yorkshire | 2.0 | £463.78 | £450.66 | £570.31 | £496.00 | £664.33 | 0.306 | 0.351 | 0.314 |
| Northamptonshire | 2.5 | £515.50 | £444.29 | £541.24 | £462.87 | £625.66 | 0.615 | 0.651 | 0.582 |
| Northumberland | 1.3 | £502.74 | £504.70 | £485.98 | £453.57 | £520.19 | 0.542 | 0.574 | 0.514 |
| Nottingham | 2.5 | £425.19 | £444.29 | £461.84 | £376.14 | £533.25 | 0.534 | 0.565 | 0.505 |
| Nottinghamshire | 2.4 | £431.45 | £444.29 | £495.43 | £429.63 | £567.95 | 0.453 | 0.480 | 0.429 |
| Oldham | 0.0 | £435.76 | £453.77 | £445.87 | £374.18 | £524.48 | 0.554 | 0.586 | 0.525 |
| Oxfordshire | 5.3 | £765.87 | £539.41 | £789.67 | £702.23 | £881.60 | 0.369 | 0.391 | 0.350 |
| Peterborough | 11.8 | £468.99 | £523.92 | £640.33 | £542.99 | £731.67 | 0.326 | 0.351 | 0.314 |
| Plymouth | 1.7 | £475.69 | £505.13 | £538.05 | £426.75 | £599.50 | 0.453 | 0.479 | 0.429 |
| Poole | 0.0 | £634.28 | £505.13 | £685.82 | £574.73 | £740.22 | 0.353 | 0.374 | 0.335 |
| Portsmouth | 13.0 | £456.63 | £539.41 | £582.08 | £504.97 | £667.64 | 0.558 | 0.591 | 0.529 |
| Reading | 12.5 | £566.71 | £539.41 | £771.82 | £555.40 | £805.47 | 0.469 | 0.497 | 0.445 |
| Redbridge | 0.0 | £604.01 | £609.26 | £699.94 | £652.56 | £769.23 | 0.567 | 0.600 | 0.537 |
| Redcar and Cleveland | 12.9 | £517.09 | £504.70 | £524.47 | £490.85 | £561.49 | 0.659 | 0.698 | 0.624 |
| Richmond upon Thames | 23.5 | £644.93 | £609.26 | £786.94 | £715.56 | £858.66 | 0.416 | 0.441 | 0.395 |
| Rochdale | 2.4 | £421.26 | £453.77 | £448.31 | £369.83 | £530.63 | 0.547 | 0.579 | 0.518 |
| Rotherham | 2.9 | £436.33 | £450.66 | £433.77 | £363.32 | £504.13 | 0.636 | 0.673 | 0.603 |
| Rutland | 0.0 | £469.07 | £444.29 | £604.91 | £546.22 | £663.59 | 0.352 | 0.373 | 0.334 |
| Salford | 0.0 | £474.32 | £453.77 | £436.53 | £369.08 | £503.08 | 0.574 | 0.608 | 0.544 |
| Sandwell | 5.7 | £501.32 | £493.67 | £539.65 | £449.35 | £627.58 | 0.722 | 0.765 | 0.684 |
| Sefton | 5.4 | £519.24 | £453.77 | £512.56 | £450.60 | £576.02 | 0.550 | 0.583 | 0.521 |
| Sheffield | 3.7 | £457.54 | £450.66 | £487.36 | £400.34 | £583.21 | 0.504 | 0.534 | 0.478 |
| Shropshire | 6.0 | £480.34 | £493.67 | £539.99 | £494.41 | £603.89 | 0.411 | 0.435 | 0.389 |
| Slough | 0.0 | £523.11 | £539.41 | £748.90 | £681.54 | £837.10 | 0.563 | 0.596 | 0.533 |
| Solihull | 10.7 | £484.68 | £493.67 | £592.58 | £559.15 | £641.85 | 0.331 | 0.351 | 0.314 |
| Somerset | 6.2 | £503.84 | £505.13 | £582.83 | £513.22 | £671.04 | 0.459 | 0.486 | 0.435 |
| South Gloucestershire | 11.9 | £579.06 | £505.13 | £578.20 | £528.81 | £631.37 | 0.461 | 0.489 | 0.437 |
| South Tyneside | 8.0 | £495.53 | £504.70 | £485.51 | £435.04 | £535.98 | 0.717 | 0.759 | 0.680 |
| Southampton | 5.7 | £413.39 | £539.41 | £568.03 | £467.99 | £687.22 | 0.488 | 0.517 | 0.462 |
| Southend-on-Sea | 1.5 | £483.37 | £523.92 | £560.05 | £487.46 | £633.67 | 0.550 | 0.582 | 0.521 |
| Southwark | 0.0 | £684.49 | £609.26 | £629.49 | £561.65 | £697.33 | 0.978 | 0.792 | 0.709 |
| St. Helens | 8.0 | £448.35 | £453.77 | £514.70 | £464.46 | £563.46 | 0.446 | 0.473 | 0.423 |
| Staffordshire | 11.0 | £512.32 | £493.67 | £497.29 | £407.18 | £598.00 | 0.520 | 0.550 | 0.492 |
| Stockport | 5.0 | £444.11 | £453.77 | £506.16 | £455.89 | £562.88 | 0.401 | 0.425 | 0.380 |
| Stockton-on-Tees | 5.1 | £440.74 | £504.70 | £473.08 | £439.87 | £512.33 | 0.524 | 0.555 | 0.497 |
| Stoke-on-Trent | 22.9 | £448.35 | £493.67 | £543.80 | £462.54 | £613.95 | 0.479 | 0.507 | 0.454 |
| Suffolk | 2.8 | £478.06 | £523.92 | £663.45 | £592.50 | £732.51 | 0.410 | 0.434 | 0.388 |
| Sunderland | 1.8 | £512.24 | £504.70 | £469.08 | £431.59 | £515.66 | 0.564 | 0.597 | 0.534 |
| Surrey | 5.3 | £618.14 | £539.41 | £784.49 | £690.35 | £887.20 | 0.347 | 0.367 | 0.328 |
| Sutton | 15.8 | £588.09 | £609.26 | £653.57 | £614.14 | £704.10 | 0.414 | 0.439 | 0.392 |
| Swindon | 9.1 | £512.42 | £505.13 | £644.73 | £585.89 | £703.27 | 0.550 | 0.583 | 0.522 |
| Tameside | 2.3 | £462.82 | £453.77 | £441.83 | £415.64 | £471.38 | 0.701 | 0.743 | 0.664 |
| Telford and Wrekin | 0.0 | £482.71 | £493.67 | £534.60 | £466.36 | £593.82 | 0.536 | 0.567 | 0.507 |
| Thurrock | 0.0 | £561.15 | £523.92 | £517.75 | £491.04 | £553.51 | 1.075 | 0.792 | 0.709 |
| Torbay | 1.3 | £440.65 | £505.13 | £485.74 | £406.86 | £575.27 | 0.360 | 0.381 | 0.341 |
| Tower Hamlets | 0.0 | £561.18 | £609.26 | £675.28 | £606.08 | £724.99 | 0.759 | 0.804 | 0.709 |
| Trafford | 8.1 | £440.84 | £453.77 | £577.25 | £524.10 | £630.40 | 0.438 | 0.464 | 0.415 |
| Wakefield | 0.0 | £435.96 | £450.66 | £473.62 | £413.27 | £552.55 | 0.518 | 0.548 | 0.491 |
| Walsall | 0.0 | £552.36 | £493.67 | £461.01 | £398.07 | £521.43 | 0.593 | 0.628 | 0.562 |
| Waltham Forest | 12.0 | £590.57 | £609.26 | £752.92 | £619.54 | £696.38 | 0.402 | 0.425 | 0.381 |
| Wandsworth | 5.6 | £658.32 | £609.26 | £860.67 | £748.55 | £994.30 | 0.638 | 0.675 | 0.604 |
| Warrington | 10.7 | £494.06 | £453.77 | £535.62 | £423.80 | £628.61 | 0.519 | 0.550 | 0.492 |
| Warwickshire | 6.2 | £479.81 | £493.67 | £618.26 | £542.15 | £675.21 | 0.363 | 0.385 | 0.344 |
| West Berkshire | 0.0 | £471.78 | £539.41 | £766.86 | £726.23 | £838.61 | 0.460 | 0.487 | 0.436 |
| West Sussex | 7.0 | £568.15 | £539.41 | £664.18 | £581.19 | £753.38 | 0.345 | 0.365 | 0.327 |
| Westminster | 0.0 | £767.22 | £609.26 | £546.59 | £546.59 | £692.27 | 1.107 | 0.792 | 0.709 |
| Wigan | 0.0 | £461.00 | £453.77 | £485.56 | £425.75 | £560.55 | 0.625 | 0.662 | 0.592 |
| Wiltshire | 5.0 | £595.61 | £505.13 | £718.00 | £646.81 | £792.02 | 0.494 | 0.524 | 0.468 |
| Windsor and Maidenhead | 7.4 | £540.73 | £539.41 | £848.42 | £703.58 | £1,026.62 | 0.328 | 0.351 | 0.314 |
| Wirral | 11.6 | £457.76 | £453.77 | £520.82 | £480.57 | £576.01 | 0.496 | 0.526 | 0.470 |
| Wokingham | 0.0 | £640.88 | £539.41 | £817.63 | £704.61 | £852.75 | 0.320 | 0.351 | 0.314 |
| Wolverhampton | 17.0 | £465.39 | £493.67 | £474.88 | £420.15 | £526.94 | 0.442 | 0.468 | 0.419 |
| Worcestershire | 4.8 | £432.94 | £493.67 | £549.58 | £491.40 | £627.07 | 0.482 | 0.510 | 0.456 |
| York | 0.0 | £467.76 | £450.66 | £637.54 | £577.48 | £701.04 | 0.445 | 0.471 | 0.421 |

**Table A4: Estimated average (weekly) self-funded resident fees**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Local Authority | 2008  Basic Adjusted | | 2010  Basic Adjusted | |
| Barking and Dagenham\* | £649.09 | £404.31 | £1,136.51 | £1,023.34 |
| Barnet | £832.90 | £815.99 | £871.65 | £881.28 |
| Barnsley\*+ | £300.60 | £450.38 | £418.97 | £430.56 |
| Bath and North East Somerset\* | £620.61 | £687.71 | £752.83 | £747.99 |
| Bedford\* | £559.97 | £541.30 | £670.89 | £679.26 |
| Bexley\* | £505.47 | £457.06 | £843.26 | £872.51 |
| Birmingham\* | £559.72 | £477.24 | £517.24 | £591.72 |
| Blackburn with Darwen\*+ | £382.11 | £424.41 | £399.25 | £407.62 |
| Blackpool\*+ | £402.66 | £374.20 | £435.15 | £386.38 |
| Bolton | £471.79 | £453.12 | £520.73 | £493.38 |
| Bournemouth\* | £647.35 | £616.63 | £720.04 | £729.88 |
| Bracknell Forest | £702.11 | £611.54 | £799.94 | £817.94 |
| Bradford | £581.72 | £471.64 | £594.41 | £632.57 |
| Brent+ | N/A | N/A | £756.54 | £903.12 |
| Brighton and Hove | £575.80 | £672.64 | £698.24 | £720.11 |
| Bristol, City of\* | £506.86 | £572.38 | £667.15 | £704.46 |
| Bromley\* | £717.99 | £675.92 | £889.32 | £891.38 |
| Buckinghamshire\* | £784.53 | £808.29 | £805.20 | £869.55 |
| Bury\* | £362.21 | £517.55 | £538.28 | £510.37 |
| Calderdale\* | £489.88 | £523.54 | £552.47 | £507.70 |
| Cambridgeshire\* | £740.20 | £570.64 | £783.88 | £735.18 |
| Camden\* | £2,077.98 | £2,118.79 | £1,368.65 | £1,414.31 |
| Central Bedfordshire\* | £674.14 | £603.77 | £758.12 | £800.45 |
| Cheshire East | £661.16 | £681.47 | £731.83 | £720.84 |
| Cheshire West & Chester | £542.68 | £582.46 | £642.30 | £681.84 |
| Cornwall & Scilly Isles\* | £679.05 | £615.36 | £678.29 | £625.84 |
| Coventry | £472.17 | £467.41 | £648.96 | £615.35 |
| Croydon\*+ | £697.35 | £548.09 | £822.40 | £683.08 |
| Cumbria\*+ | £458.12 | £614.41 | £526.76 | £555.93 |
| Darlington\*+ | £405.70 | £448.32 | £453.35 | £475.16 |
| Derby\* | £432.46 | £476.54 | £540.28 | £532.14 |
| Derbyshire\*+ | £388.83 | £591.07 | £526.21 | £523.86 |
| Devon+ | £585.70 | £556.85 | £583.80 | £592.90 |
| Doncaster\* | £401.20 | £473.59 | £495.51 | £471.46 |
| Dorset\*+ | £663.83 | £741.25 | £682.93 | £710.50 |
| Dudley\*+ | £420.89 | £482.24 | £430.00 | £388.80 |
| Durham\* | £490.41 | £363.62 | £476.18 | £521.00 |
| Ealing\* | £331.16 | £678.94 | £842.25 | £808.21 |
| East Riding of Yorkshire | £493.78 | £573.16 | £544.13 | £507.99 |
| East Sussex+ | £635.39 | £752.10 | £665.57 | £681.18 |
| Enfield | £714.16 | £565.79 | £943.25 | £877.08 |
| Essex | £515.46 | £601.91 | £665.43 | £705.63 |
| Gateshead\*+ | £470.77 | £372.92 | £431.65 | £517.08 |
| Gloucestershire | £679.78 | £615.10 | £898.10 | £861.71 |
| Greenwich\* | £718.82 | £512.94 | £1,016.89 | £1,070.94 |
| Hackney+ | N/A | N/A | £794.96 | £970.20 |
| Halton\*+ | £411.84 | £439.84 | £530.85 | £408.02 |
| Hammersmith and Fulham\* | £1,173.51 | £1,056.81 | £1,074.50 | £1,090.92 |
| Hampshire | £728.11 | £871.47 | £819.81 | £771.30 |
| Haringey | £912.70 | £834.81 | £960.18 | £906.62 |
| Harrow\* | £720.85 | £664.07 | £775.69 | £766.43 |
| Hartlepool\*+ | £334.44 | £402.01 | £488.77 | £413.37 |
| Havering\* | £677.81 | £521.04 | £733.96 | £685.65 |
| Herefordshire, County of\* | £466.09 | £663.64 | £577.56 | £724.61 |
| Hertfordshire\* | £710.93 | £653.53 | £830.75 | £917.70 |
| Hillingdon | £619.94 | £589.32 | £819.56 | £737.52 |
| Hounslow | £1,140.10 | £662.73 | £1,027.72 | £1,068.49 |
| Isle of Wight | £671.86 | £545.40 | £630.95 | £553.29 |
| Islington+ | N/A | N/A | £3,643.15 | £1,700.13 |
| Kensington and Chelsea\*+ | £923.47 | £1,222.57 | £856.82 | £1,464.92 |
| Kent | £642.58 | £621.30 | £745.01 | £681.04 |
| Kingston upon Hull, City of\*+ | £473.01 | £211.45 | £438.82 | £368.60 |
| Kingston upon Thames | £722.95 | £686.66 | £850.75 | £871.80 |
| Kirklees | £496.89 | £524.73 | £595.14 | £595.45 |
| Knowsley\*+ | £414.99 | £373.98 | £803.82 | £798.23 |
| Lambeth | N/A | N/A | N/A | N/A |
| Lancashire | £470.66 | £603.38 | £542.92 | £562.29 |
| Leeds\* | £784.40 | £509.41 | £665.45 | £678.08 |
| Leicester | £599.05 | £451.70 | £603.46 | £548.03 |
| Leicestershire\* | £554.56 | £607.50 | £627.29 | £598.12 |
| Lewisham+ | N/A | N/A | £857.46 | £953.27 |
| Lincolnshire | £467.57 | £507.60 | £536.74 | £531.87 |
| Liverpool\* | £610.21 | £213.09 | £626.42 | £469.11 |
| Luton\* | £561.69 | £433.71 | £790.35 | £614.06 |
| Manchester | £503.25 | £431.84 | £533.39 | £500.98 |
| Medway | £662.07 | £583.94 | £1,076.48 | £836.32 |
| Merton\*+ | £894.68 | £733.30 | £993.17 | £961.27 |
| Middlesbrough\*+ | £397.47 | £395.46 | £427.45 | £432.76 |
| Milton Keynes\* | £749.49 | £531.89 | £923.12 | £888.08 |
| Newcastle upon Tyne\*+ | £437.92 | £459.14 | £447.12 | £424.52 |
| Newham\*+ | £1,111.48 | £269.51 | £748.65 | £719.86 |
| Norfolk\* | £578.91 | £599.49 | £688.95 | £602.32 |
| North East Lincolnshire+ | £437.98 | £415.48 | £372.79 | £434.74 |
| North Lincolnshire\*+ | £389.37 | £395.39 | £452.68 | £406.41 |
| North Somerset\* | £512.84 | £627.37 | £706.90 | £639.35 |
| North Tyneside\*+ | £437.46 | £496.43 | £478.40 | £463.94 |
| North Yorkshire\*+ | £596.12 | £841.47 | £617.18 | £650.56 |
| Northamptonshire | £536.69 | £557.18 | £582.31 | £695.89 |
| Northumberland\*+ | £419.30 | £523.85 | £466.12 | £463.80 |
| Nottingham\* | £449.57 | £406.65 | £503.76 | £481.92 |
| Nottinghamshire | £453.12 | £562.85 | £548.46 | £537.82 |
| Oldham\*+ | £4,311.29 | -£794.43 | £458.43 | £436.08 |
| Oxfordshire+ | £816.67 | £898.96 | £803.59 | £936.06 |
| Peterborough+ | £947.53 | £351.90 | £723.07 | £493.28 |
| Plymouth\* | £403.08 | £426.51 | £589.59 | £565.26 |
| Poole\*+ | £682.63 | £650.86 | £713.96 | £784.49 |
| Portsmouth\* | £1,639.15 | £710.61 | £740.41 | £654.27 |
| Reading\* | £733.13 | £573.78 | £953.28 | £718.44 |
| Redbridge\* | £635.36 | £577.22 | £825.59 | £818.71 |
| Redcar and Cleveland\* | £689.22 | £396.52 | £538.70 | £562.53 |
| Richmond upon Thames+ | £805.11 | £916.87 | £888.30 | £1,063.58 |
| Rochdale\*+ | £393.88 | £431.34 | £480.92 | £441.72 |
| Rotherham\*+ | £320.77 | £473.87 | £429.30 | £404.27 |
| Rutland\*+ | £751.09 | £626.76 | £678.76 | £692.23 |
| Salford\*+ | £428.55 | £420.37 | £385.52 | £413.27 |
| Sandwell\* | £387.06 | £341.36 | £639.28 | £659.18 |
| Sefton | £477.42 | £527.09 | £504.38 | £584.46 |
| Sheffield | £597.03 | £416.46 | £517.71 | £524.71 |
| Shropshire | £533.90 | £648.60 | £581.60 | £572.30 |
| Slough\* | £1,710.92 | £912.87 | £1,039.61 | £1,018.63 |
| Solihull\*+ | £465.60 | £662.90 | £645.98 | £600.35 |
| Somerset\* | £574.85 | £623.91 | £649.94 | £648.85 |
| South Gloucestershire\* | £486.82 | £596.33 | £577.46 | £688.56 |
| South Tyneside\*+ | £472.46 | £417.25 | £460.10 | £436.83 |
| Southampton\* | £588.82 | £473.40 | £715.47 | £595.32 |
| Southend-on-Sea\* | £500.63 | £539.33 | £653.66 | £604.16 |
| Southwark+ | N/A | N/A | -£1,766.99 | £1,182.96 |
| St. Helens\* | £388.52 | £463.78 | £568.22 | £563.85 |
| Staffordshire\* | £564.00 | £483.50 | £481.01 | £625.36 |
| Stockport | £543.62 | £596.07 | £547.74 | £541.27 |
| Stockton-on-Tees\*+ | £407.44 | £446.85 | £508.72 | £438.22 |
| Stoke-on-Trent\*+ | £533.92 | £318.96 | £631.52 | £393.22 |
| Suffolk | £537.15 | £610.15 | £792.09 | £760.27 |
| Sunderland\*+ | £383.55 | £349.79 | £413.24 | £422.99 |
| Surrey\*+ | £790.95 | £1,074.68 | £872.78 | £914.56 |
| Sutton\* | £700.80 | £568.70 | £699.88 | £774.11 |
| Swindon\* | £627.64 | £497.44 | £806.75 | £815.68 |
| Tameside\*+ | £131.25 | £261.88 | £392.56 | £413.81 |
| Telford and Wrekin | £497.77 | £527.94 | £594.46 | £581.82 |
| Thurrock\* | £320.32 | £514.77 | N/A | N/A |
| Torbay\*+ | £505.69 | £527.65 | £511.12 | £474.83 |
| Tower Hamlets\*+ | £2,020.41 | £1,271.14 | £1,035.00 | £962.47 |
| Trafford\* | £618.82 | £685.37 | £683.56 | £673.49 |
| Wakefield | £449.29 | £483.50 | £514.08 | £498.29 |
| Walsall\*+ | £443.28 | £438.79 | £327.82 | £413.39 |
| Waltham Forest\* | £871.52 | £519.04 | £861.96 | £608.82 |
| Wandsworth | £994.78 | £895.01 | £1,216.65 | £1,302.95 |
| Warrington\* | £595.37 | £561.65 | £580.51 | £690.63 |
| Warwickshire+ | £651.09 | £648.48 | £697.32 | £689.41 |
| West Berkshire\* | £747.91 | £672.41 | £1,018.51 | £960.84 |
| West Sussex\*+ | £599.18 | £939.46 | £714.76 | £729.91 |
| Westminster | N/A | N/A | N/A | N/A |
| Wigan\* | £378.56 | £404.51 | £526.48 | £538.54 |
| Wiltshire\* | £702.35 | £686.70 | £837.71 | £926.21 |
| Windsor and Maidenhead\*+ | £926.26 | £948.64 | £998.52 | £887.66 |
| Wirral\* | £459.60 | £526.95 | £582.99 | £642.05 |
| Wokingham\*+ | £850.98 | £684.72 | £900.87 | £831.81 |
| Wolverhampton\*+ | £398.23 | £405.98 | £482.41 | £547.21 |
| Worcestershire | £601.89 | £641.05 | £658.01 | £601.56 |
| York | £632.51 | £636.64 | £773.59 | £787.29 |

N/A indicates that the proportion of LA-funded residents in the LA was estimated to be over 1, and therefore no self-funded price was estimated as there is unlikely to be a self-funded market in these LAs.

\* indicates that the adjusted average fees gap was estimated using multiple imputation for 2008 and therefore less confidence can be attached to the estimated average self-funded price shown.

+ indicates that the adjusted average fees gap was estimated using multiple imputation for 2010 and therefore less confidence can be attached to the estimated average self-funded price shown.

**Table A5: Overall means of estimated average self-funder price**

|  |  |  |
| --- | --- | --- |
| Estimation | Mean price | S.D. |
| Basic | £663.13NS | £392.35 |
| Adjusted | £629.53 | £242.17 |
| Adjusted (85% Occ.) | £638.95\*\* | £234.05 |
| Adjusted (95% Occ.) | £623.03\* | £208.57 |
| Adjusted (min/max) | £609.22\*\* | £252.13 |

NS, \*, \*\*, and \*\*\* indicate no significance or significance at the 10%, 5%, and 1% level, respectively, in a test of the equality of means between the relevant estimated self-funder price and the estimated adjusted self-funder price.

1. In two cases (Manchester and East Sussex) data on resident numbers and costs for 2010-11 are used due to there being no reported average cost for an LA-funded resident for 2009-10. [↑](#footnote-ref-1)
2. We use 2007/08 and 2009/10 (rather than 2008/09 and 2010/11) resident number and cost data as the date of collection for costs is the 31st March of each financial year and so this data is closest to our price data. [↑](#footnote-ref-2)
3. Hence, we assume that out-of-area placements remained constant over the period 2008-2010. [↑](#footnote-ref-3)
4. Note that this does not allow for the small proportion of residents that are funded by the NHS. However, this problem is mitigated somewhat by varying the occupancy rate (although the issue of how wholly NHS-funded places affects the reported prices by care homes in the price data remains). In analysis not presented in the paper, we find that adjusting the occupancy rate to 100% does not markedly change the estimated self-pay price for a LA. [↑](#footnote-ref-4)
5. Therefore, the average cost per LA resident will differ from those found in council-level unit cost reports. [↑](#footnote-ref-5)
6. The log of LA average price was regressed on the log of costs, the proportion of self-funders (assuming a 90% occupancy rate), and the log of average house price. This is estimated for all LAs within the 5th and 95th percentiles of the distribution of the proportion of self-funders and that have more than 80% of care homes with care home price data. [↑](#footnote-ref-6)
7. This final stage of adjusting the price is not included in the empirical analysis of the fees gap because of the use of multiple imputation for missing fees gaps. As such, the adjusted price here differs from that used to estimate the average fees gap for LAs. The differences in the two estimated adjusted prices are minor (those presented here are 2.2% lower on average than the adjusted price used in the main empirical analysis), but a test of equality is rejected at the 10% level. Using this adjusted price in the initial, non-imputed, fees gap analysis does not markedly affect the results found. [↑](#footnote-ref-7)